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MONTHLY REPORT

INSTALLATION AND MAINTENANCE BRANCH

1 OCTOBER - 31 OCTOBER 1960

ENGINEERING STAFF

1. The automatic switching equipment has been installed in the Signal Center. Certain problems have arisen regarding the procedure to be used and modification of the system.
2. Fabrication of the Tinytot units has been completed, all have been tested and will be turned over to stock.
3. Plans have been made for the Fono-Vision installation in Room 330, Administration Building. It is expected that the installation will be completed by 1 December 1960.
4. Ten men have been on TDY during this month; four Electronic Technicians entered on duty; eleven Wire and Electronic Technicians are processing for PCS assignments and fifteen men are currently in training.

Chief, Installation and  
Maintenance Branch, OC-E

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ELECTRONIC MAINTENANCE SECTION

A. Microwave

1. Preventive maintenance was performed

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2. Only a limited amount of preventive maintenance could be performed because of the shortage of personnel.

3. We are modifying our TSEC/HT-1 Pattern Generator per KAB-58A/TSEC.

C. Washington Disaster Plan

1. Preventive maintenance has been performed on all electronic equipment located in Room 2 of East Building.

2. Only a limited amount of preventive maintenance was performed on the V.H.F. Net because of the shortage of personnel.

D. Special Projects

1. Specifications for Room 330, Administration Building, has been submitted to Real Estate and Construction Division, OL. This room will accommodate T.V. Equipment, Crypto Equipment and Microwave Equipment. The T.V. and Crypto Equipment will be installed the latter part of November. The Microwave R.F. Equipment and antennas are scheduled to be installed the first or second week of November.

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- 2 -

2. The following equipment has been repaired for various components of the Agency.

1. Four Microwave I.F. Strips
2. Three Receivers.
3. One Motorola V.H.F. Transmitter-Receiver.

3. Considerable time was consumed familiarizing four ET's with the V.H.F. and microwave systems.

#### MECHANICAL MAINTENANCE SECTION

1. The 6ST tractors are being modified for installation of the Series 2-71 General Motors Diesels. When completed, this installation will permit the diesel to be rolled back on the truck frame for ready access.

#### BRANCH SUPPLY

1. As of 27 October 1960 the total expenditure for the fiscal year 1961 is approximately \$57,063.57.

#### WIRE MAINTENANCE SECTION

##### A. Trouble Reports

1. The Wire Maintenance Section in the Washington area has reported a total of one hundred and ninety-one (191) troubles for the month of October. The troubles as broken down by areas are as follows:

"L" Signal Center	117
1717 "H" Street	23
OCI	24
Local Outside Area	27

##### B. Section Activities

1. One full duplex KW-26 was inspected at the Rehab. Shop and

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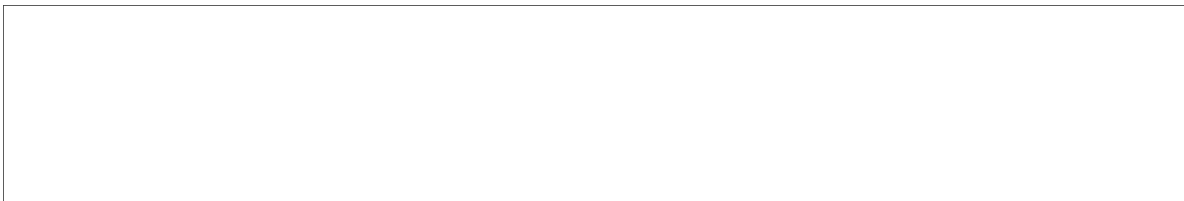
- 3 -

2. The MECA Receive KW-26 circuit in the "L" Building Signal Center was converted to 100 words per minute on October 20, 1960. Results so far have been very good. This circuit has about a 65 point range at 30 percent distortion.

3. The automatic switching equipment was installed and wired in the Signal Center. It remained in operation for approximately two days.

4. Two Tinytots were moved from the Signal Center to S.S.C.

5. The rewiring and relocating of equipment is in process in the Signal Center to facilitate some of the operational requirements.



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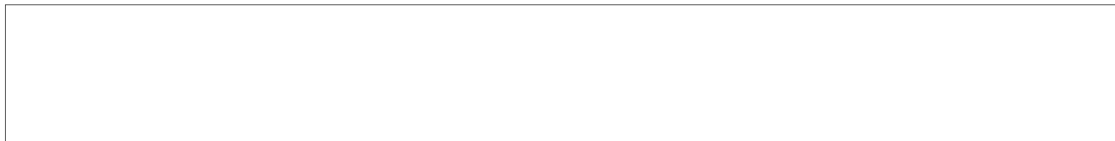
8. One Tinytot was installed in Room 1714 "L" Building.

9. A total of twenty (20) major pieces of Teletype equipments were tested and inspected for stock at the Rehab. Shop this month.

10. The HW-20, Model 28 Tinytot was installed in the Signal Center for test and evaluation. Shortly after the installation it developed troubles. We are now waiting for spare parts to be shipped from Teletype Corp. to restore it back in operation.



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D. Overtime

The Wire Maintenance Section has expended a total of ninety-eight (98) hours overtime for the month of October.

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